PROJECT-OUT WINDOW ................................................................. 3-8
OUTSWING CASEMENT WINDOW .................................................... 9-14

LAWS AND BUILDING AND SAFETY CODES GOVERNING THE DESIGN AND USE OF GLAZED ENTRANCE, WINDOW, AND CURTAIN WALL PRODUCTS VARY WIDELY. KAWNEER DOES NOT CONTROL THE SELECTION OF PRODUCT CONFIGURATIONS, OPERATING HARDWARE, OR GLAZING MATERIALS, AND ASSUMES NO RESPONSIBILITY THEREFOR.

Metric (SI) conversion figures are included throughout these details for reference. Numbers in parentheses ( ) are millimeters unless otherwise noted.

The following metric (SI) units are found in these details:

- m – meter
- cm – centimeter
- mm – millimeter
- s – second
- Pa – pascal
- MPa – megapascal
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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<table>
<thead>
<tr>
<th>CLASS and GRADE</th>
<th>Heavy Commercial Grade P-HC40 – P-HC70</th>
</tr>
</thead>
<tbody>
<tr>
<td>TESTING STANDARD</td>
<td>AAMA / WDMA / CSA / 101 / I.S.2 / A440 (NAFS)</td>
</tr>
</tbody>
</table>
| SYSTEM DEPTH          | 2-3/4" Overall System Depth (1" Infill)  
2-1/8" Overall System Depth (1/4" Infill) |
| TYPICAL WALL THICKNESS| 0.090 Nominal Frame                     |
| TYPICAL MAX. VENT SIZE| 60" x 36"                              |
| TYPICAL MIN. VENT SIZE| 14" x 14"                              |
| INFILL OPTIONS        | 1" and 1/4"                            |
| STANDARD HARDWARE     | Stainless Steel 4-Bar Hinges            
Cast White Bronze Cam Lock |
| OPTIONAL HARDWARE     | Cam Lock with Pole Ring                 
Sash Pole               
Pole Ring                
Access Control Lock      
Pivot-Shoe Roto-Operator 
Concealed Lock with removable key 
Hook Bolt Lock           
Limit Stop               |
| OTHER OPTIONS         | Insect Screens                          |
Additional information and CAD details are available at www.kawneer.com

NOTE: THE KAWNEER GLASSvent™ WINDOW IS SHOWN IN THESE DETAILS WITH TRIFAB™ VG 451T STOREFRONT FRAMING FOR REFERENCE. OTHER KAWNEER SYSTEMS CAN BE USED. FOR PRODUCT SPECIFIC APPLICATIONS CONSULT YOUR KAWNEER REPRESENTATIVE.

* INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.
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<td>STAINLESS STEEL 4 BAR HINGES</td>
<td>A standard hinge for ventilators providing approximately 45° to 60° openings depending on size. An optional limit stop is available to restrict hinge travel and limit vent opening.</td>
</tr>
<tr>
<td>CAM HANDLE</td>
<td>Cast white bronze cam handles are standard for the manual operation and locking of ventilators.</td>
</tr>
<tr>
<td>CAM HANDLE WITH POLE RING</td>
<td>Cast white bronze cam handles with pole ring provide manual operation of ventilators located above reach. These handles are operated with a sash pole.</td>
</tr>
<tr>
<td>POLE RING</td>
<td>Cast white bronze pole ring is used in conjunction with locking hardware for sash pole operation of ventilators.</td>
</tr>
<tr>
<td>SASH POLE</td>
<td>A 3/4&quot; diameter aluminum sash pole with a cast white bronze pull down hook and black rubber tip. Available in 6 ft. and 12 ft. lengths with optional cast white bronze Pole Hanger.</td>
</tr>
<tr>
<td>HANGER FOR SASH POLE</td>
<td>In lieu of cam handles cast white bronze access control locks are offered for managed control of vent operations. Lock is operated with a manganese bronze removable handle.</td>
</tr>
<tr>
<td>ACCESS CONTROL LOCK</td>
<td>Optional pivot shoe roto operator is located on the center line of the bottom horizontal frame. Standard finish shall be brushed copper nickel to match US-25-D</td>
</tr>
<tr>
<td>HOOK BOLT LOCK</td>
<td>For use with pivot-shoe roto operator in lieu of cam handles. Standard finish shall be US-25-D clear white bronze.</td>
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</table>
CONCEALED LOCK

In lieu of cam handles cast white bronze concealed locks are offered for managed control of vent operations. Lock is operated with a removable key.
Features

- Heavy Commercial Grade Window
- Tested to US Standards
- 45° Mitered Vent and Frame Corners
- Staked Corner Joinery
- Architectural Anodized Finishes and Applied Coatings

For specific product applications, consult your Kawneer representative.
**CLASS and GRADE** | Heavy Commercial Grade P-HC40 – P-HC70
---|---
**TESTING STANDARD** | AAMA / WDMA / CSA / 101 / I.S.2 / A440 (NAFS)
**SYSTEM DEPTH** | 2-3/4” Overall System Depth (1” Infill)  
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**TYPICAL MAX. VENT SIZE** | 36” x 60”
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**IN_FILL OPTIONS** | 1” and 1/4”
**STANDARD HARDWARE** | Stainless Steel 4-Bar Hinges  
Cast White Bronze Cam Handles
**OPTIONAL HARDWARE** | Cam Lock with Pole Ring  
SashPole  
Pole Ring  
Access Control Locks  
Multi-Point Lock  
Hook Bolt Lock  
Concealed Lock with removable key  
Limit Stop
**OTHER OPTIONS** | Insect Screens
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</tr>
<tr>
<td>MULTI-POINT LOCK</td>
<td>Optional single locking handle for concealed multi-point locks located on the vertical frame. Standard finish shall be US-25-D clear white bronze.</td>
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CONCEALED LOCK